



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/626,361

07/23/2003

Jeremy A. Davis

200210054-1

1224

22879

7590

01/25/2006

EXAMINER

RODRIGUEZ, WILLIAM H

HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

ART UNIT

PAPER NUMBER

3746

DATE MAILED: 01/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

### Application No.

10/626,361

### Applicant(s)

DAVIS, JEREMY A.

### Examiner

William H. Rodriguez

### Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,5,13 and 17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,5,13 and 17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

Art Unit: 3746

### DETAILED ACTION

This office action is in response to the amendment and remarks filed 11/23/05. Since the examiner has applied new grounds of rejection, this office action is being made non-final to afford the applicant the opportunity to respond to the new grounds of rejection.

#### *Claim Rejections - 35 USC § 102 and 103*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

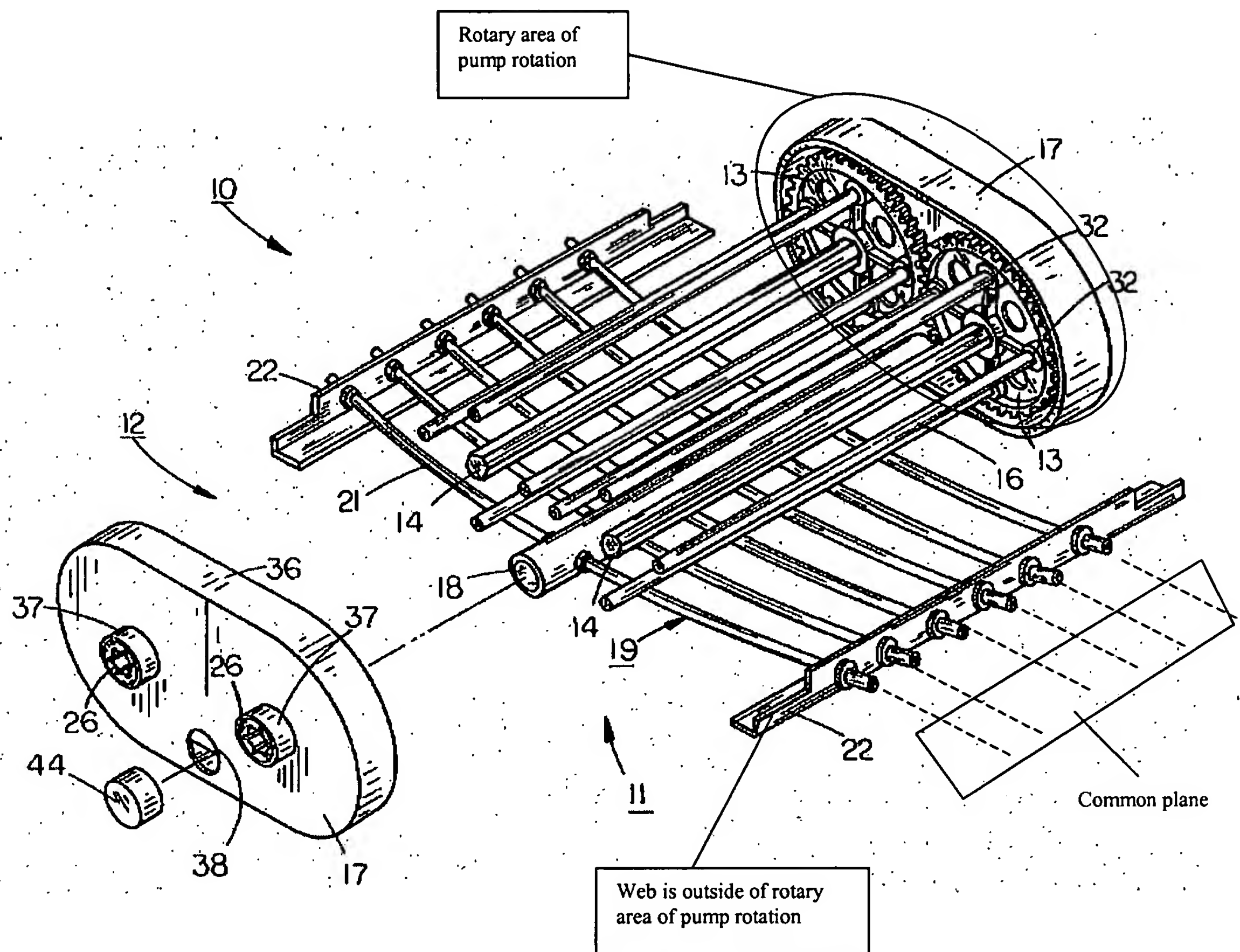
2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 5, 13 and 17 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Schartz (US 4,522,570)**.

With regards to the word “**integral**”, the use of one piece construction instead of the structure disclosed in Schartz would be merely a matter of obvious engineering choice, which is not sufficient by itself to patentably distinguish the invention over an otherwise old device satisfying the structural limitations but comprised of several parts, as is the case here.

Art Unit: 3746



With respect to claim 1, **Schartz** teaches a pump having a rotary portion 16 which compels the movement of a fluid by peristaltic compression of resilient tubing 19 containing the fluid, a tube component comprising a plurality of adjacent resilient tubes; a web 22 interconnecting the adjacent resilient tubes, the resilient tubes has a cross-sectional centerline occurring in a common plane, and the web interconnects the resilient tubes in an area outside of the common plane, the rotary portion of the pump includes a rotary area of pump operation, and the web is outside the rotary area of pump operation. See particularly Figure above.

Art Unit: 3746

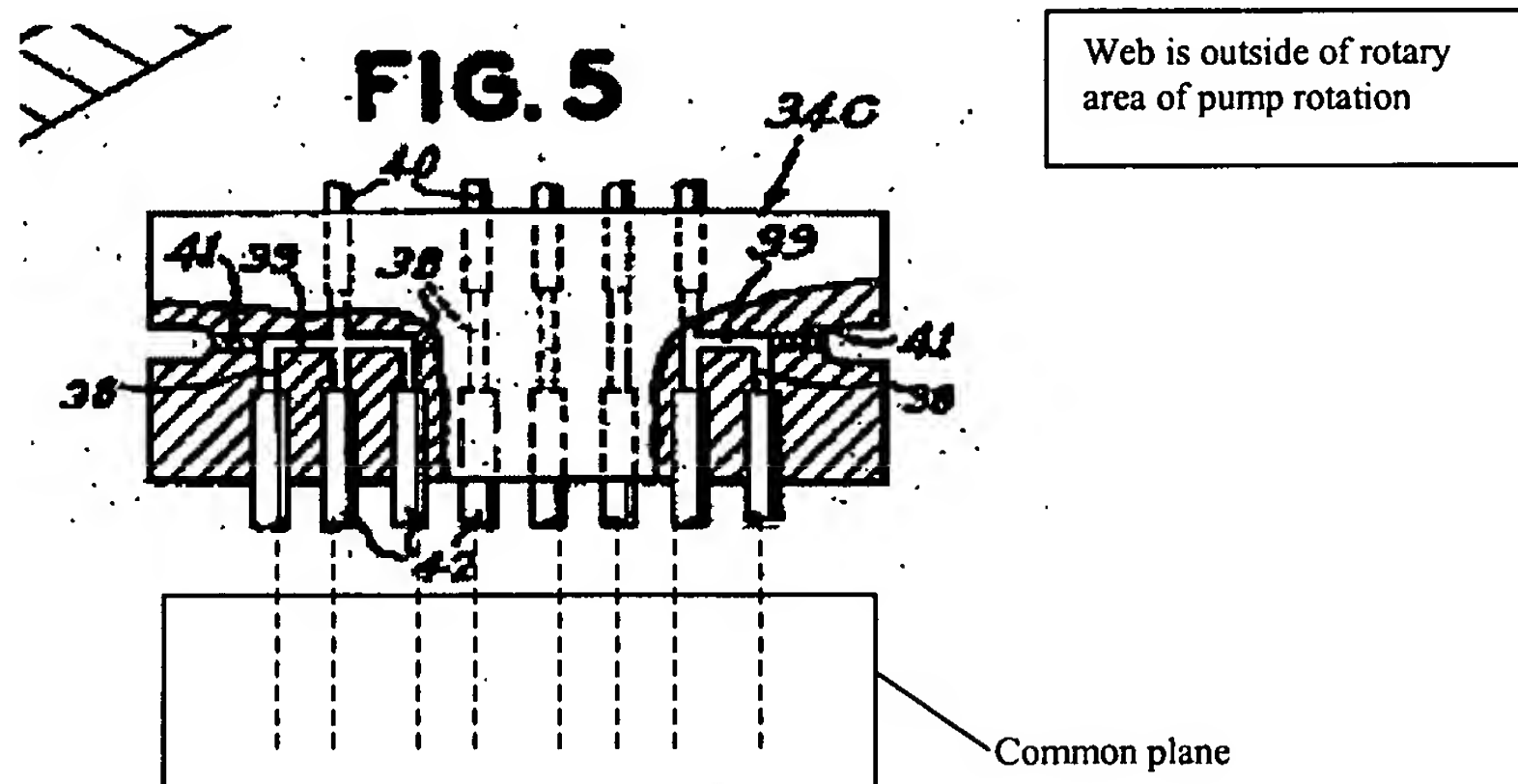
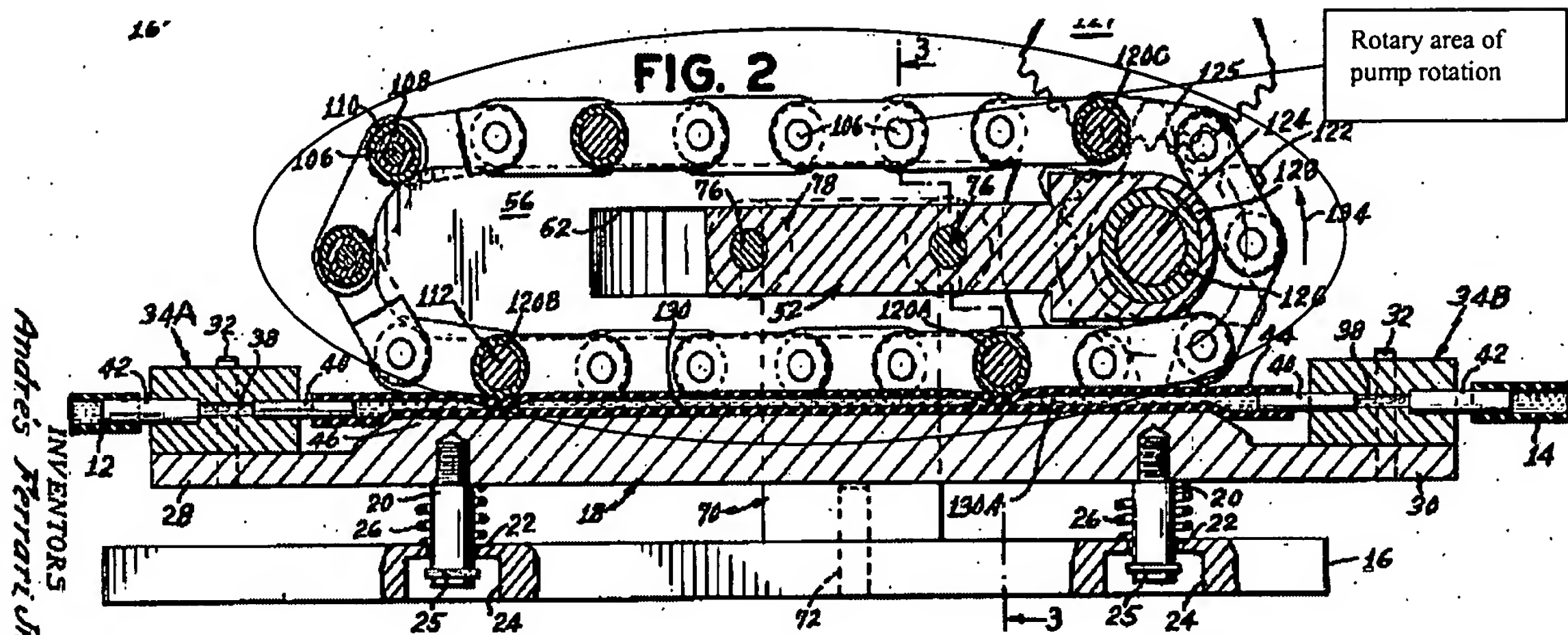
With respect to claim 5, **Schartz** teaches that the resilient tubes 19 are fabricated from an elastomeric plastic material (inherent for this type of pumps).

With respect to claim 13, **Schartz** teaches a method of assembling a pump having a rotary portion 16 which compels the movement of a fluid by peristaltic compression of resilient tubing 19 containing the fluid comprising the following: providing a plurality of adjacent resilient tubes, and interconnecting the adjacent resilient tubes with a web 22, providing a plurality of adjacent resilient tubes comprises providing each of the resilient tubes with a cross-sectional centerline occurring in a common plane, and interconnecting the adjacent resilient tubes with a web comprises interconnecting the resilient tubes in an area outside of the common plane, the rotary portion of the pump includes a rotary area of pump operation, and interconnecting the adjacent resilient tubes with a web comprises interconnecting the resilient tubes in an area outside the rotary area of pump operation.

With respect to claim 17, **Schartz** teaches that the resilient tubes 19 are fabricated from an elastomeric plastic material (inherent for this type of pumps).

Art Unit: 3746

4. Claims 1 and 13 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Ferrari et al. (US 2,865,303)**.



With regards to the word “**integral**”, the use of one piece construction instead of the structure disclosed in Ferrari would be merely a matter of obvious engineering choice, which is not sufficient by itself to patentably distinguish the invention over an otherwise old device satisfying the structural limitations but comprised of several parts, as is the case here.



Art Unit: 3746

With respect to claim 1, **Ferrari** teaches a pump having a rotary portion 120 which compels the movement of a fluid by peristaltic compression of resilient tubing (44, 40, 42) containing the fluid, a tube component comprising a plurality of adjacent resilient tubes; a web 34C interconnecting the adjacent resilient tubes, the resilient tubes has a cross-sectional centerline occurring in a common plane, and the web interconnects the resilient tubes in an area outside of the common plane, the rotary portion of the pump includes a rotary area of pump operation, and the web is outside the rotary area of pump operation. See particularly **Figures 2, 5** above and column 4 lines 59-71 of Ferrari.

With respect to claim 13, **Ferrari** teaches a method of assembling a pump having a rotary portion 120 which compels the movement of a fluid by peristaltic compression of resilient tubing (40, 42, 44) containing the fluid comprising the following: providing a plurality of adjacent resilient tubes, and interconnecting the adjacent resilient tubes with a web 34C, providing a plurality of adjacent resilient tubes comprises providing each of the resilient tubes with a cross-sectional centerline occurring in a common plane, and interconnecting the adjacent resilient tubes with a web comprises interconnecting the resilient tubes in an area outside of the common plane, the rotary portion of the pump includes a rotary area of pump operation, and interconnecting the adjacent resilient tubes with a web comprises interconnecting the resilient tubes in an area outside the rotary area of pump operation. See particularly **Figures 2, 5** above and column 4 lines 59-71 of Ferrari.

Art Unit: 3746

***Allowable Subject Matter***

5. The indicated allowability of claims 6 and 16 is withdrawn. See detail rejections above.

***Response to Arguments***


6. Applicant's arguments with respect to claims 1, 5, 13 and 17 have been considered but are moot in view of the new ground(s) of rejection. See detail rejections above.

***Contact information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Rodriguez whose telephone number is 571-272-4831. The examiner can normally be reached on Monday-Friday 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached on 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
William H. Rodriguez 1/19/06  
Primary Examiner  
Art Unit 3746